

ABSTRACT OF THE DISCLOSURE

Sulfur vulcanizable rubber composition which does not contain aromatic process oils including at least one diene elastomer, at least finely dispersed, precipitated silica and carbon as fillers, softeners, at least one silane coupling agent, and additional common additives as well as a process for their production. Additionally, the invention relates to rubber products and tires made based on such rubber compositions. The rubber composition can comprise 5 to 60 phr of at least one mineral oil softener as a softener, with a content of polycyclic aromatic compositions of less than 3 wt-% in relation to the total weight of the mineral oil softener, determined by the DMSO extract according to the IP 346 method, and a glass transition temperature below -45 °C, and 1 to 20 phr of at least one glyceride and/or of a factice, and the weight ratio of finely dispersed, precipitated silica to carbon black being 1:2 to 20:1 in the rubber composition.

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